Art Unit: 1651

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Anthony King on 3/15/07.

The application has been amended as follows:

IN THE CLAIMS:

Claims 1-4 have been replace by the following:

-- 1. A method for producing a novel β-lactam antibiotic selected from the group consisting of:

from a protoplast fusion strain CCRC930060, comprising the steps of:

(a) culturing the protoplast fusion strain CCRC930060 which is obtained from the protoplast fusion of *Penicillium chrysogeum* (ATCC 48271) and *Cephalosporium acremonium* (ATCC 48272) with the following medium for fermentative culture:

Art Unit: 1651

Component	Amount (weight %)
Sucrose	12
Lard	0.1
Ammonium sulfate	2
Di-potassium hydrogen phospha	te 0.05
Sodium citrate	0.4
Phenoxyacetic acid	1.12

to obtain a liquid culture suspension;

- (b) processing said liquid culture suspension of step (a) to obtain a ferment filtrate which is then lyophilized to provide a powder, added with a volume of acetone, stirred at room temperature for extraction, and filtered;
- (c) collecting the filtrate obtained in step (b) and concentrating the filtrate by decompression;
- (d) filtering the concentrate of step (c) by a filter membrane of 0.22 µm to provide a product;
- (e) analyzing the product of step (d) by preparation type HPLC using a mobile phase to obtain an eluent having said antibiotic;
- (f) isolating said antibiotic in the eluent obtained in step (e) by a bacteriostatic test and a pitting test; and
- (g) concentrating the isolated eluent of step (f) to provide said antibiotic.
- 2. The method according to claim 1, wherein 1% methanol is used as the mobile phase of step (e) to obtain an eluent having compound M-4.
- 3. The method according to claim 1, wherein 30% acetonitrile is as used the mobile phase of step (e) to provide a first eluent comprising compound A-3-2 which is collected, concentrated and then subjected to preparation type HPLC using 30% methanol as the mobile phase to obtain a second eluent comprising compound A-3-2 which then undergoes step (f) of claim 1.

4. The method according to claim 1, wherein in step (b), the lyophilized powder of the ferment filtrate is added with a volume comprising 70% acetone and 30% methanol, stirred at room temperature for extraction, and filtered; and in step (e) wherein 30% methanol is as used the mobile phase for a first preparation type HPLC to provide a first eluent comprising compound 3-3-A-2 which is collected, concentrated, and then subjected to preparation type HPLC using 10% methanol as the mobile phase to obtain a second eluent comprising compound 3-3-A-2 which then undergoes step (f) of claim 1. —

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Hanley whose telephone number is 571-272-2508. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Wityshyn can be reached on 571-272-0926. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system.

CANADA) or 571-272-1000.

Susan Hanley Patent Examiner AU 1651 Leon B. Lankford, Jr. Primary Examiner

rt\Unit 1651